

Scenario 1: Routine Production Planning

(Subsystems involved: PLS, DPS, DSS)

Timeframe	Operator	ECS
AIT phase (pre-planning)	AIT staff initializes planning database.	Planning subsystem I/F supports database population.
BiWeekly	Production Planner generates candidate plan for the next 30 days. Plan is made available via subscription to community.	Planning subsystem I/F supports plan generation reflecting current PRs, resource and data availability.
Weekly	Resource Manager places reservations with Production Planning for system components for maintenance, test, etc.	Planning subsystem accepts resource availability data.

Scenario 1: Routine Production Planning (cont.)

Timeframe	Operator	ECS
Weekly	Production Planner generates 10 day candidate plan. Plan is made available via subscription to community. 10 day plan is nearly identical to last 30 day plan for the same period, only reflects changes since publishing 30 day plan.	Planning subsystem I/F supports plan generation reflecting current PRs, resource and data availability.
Daily	Daily schedule (27 hrs) is generated from current planning database, reflects currently active queues and processing. Production Scheduler generates, reviews, approves and activates the daily plan.	Planning subsystem provides displays for schedule generation and evaluation.

Scenario 1: Routine Production Planning (cont.)

Timeframe	Operator	ECS
Ongoing during processing	Operations monitors progress of processing against plan	Planning subsystem I/F provides graphic displays of processing - queued, active, delayed waiting for input, etc.
Daily	Operations generates periodic post-production reports	Planning subsystem reports for: <ul style="list-style-type: none"> • job status summaries • jobs run vs. jobs scheduled • time delay analysis
As required	Production Planner generates PRs for reprocessing and maintains existing planning database	Planning subsystem supports PR generation, Planning database maintenance.

System Monitoring View

File View

◆ Real Time Only
◆ Projection Only
◆ Simulator

Set Up Run
Execute
☐ Freeze Frame

■ ACTIVATED
■ STARTING
■ RUNNING
■ SUCCESS
■ FAILURE
■ TERMINATED
■ RESTART
■ QUE_WAIT
■ ON_ICE
■ ON_HOLD
■ INACTIVE

■ MACHINE UP
■ MACHINE DOWN

frodo 16 Alarm

- frodo 145 End-of-day Account
- frodo 15 End-of-day Account
- frodo 210 End-of-day Account
- frodo 275 End-of-day Account
- frodo 340 End-of-day Account

Event Processor 2
Data Server 2

localhost 0 Alarm

-
-
-
-
-

Event Processor 1
Data Server 1

bigblue 16 Alarm

- bigblue 135 End-of-day Account
- bigblue 200 End-of-day Account
- bigblue 265 End-of-day Account
- bigblue 330 End-of-day Account
- bigblue 395 End-of-day Account

bogus 30 Alarm

- bogus 125 End-of-day Account
- bogus 160 End-of-day Account
- bogus 190 End-of-day Account
- bogus 225 End-of-day Account
- bogus 255 End-of-day Account

empower 15 Alarm

- empower 120 End-of-day Account
- empower 185 End-of-day Account
- empower 250 End-of-day Account
- empower 315 End-of-day Account
- empower 380 End-of-day Account

maggie 16 Alarm

- maggie 150 End-of-day Account
- maggie 20 End-of-day Account
- maggie 215 End-of-day Account
- maggie 280 End-of-day Account
- maggie 345 End-of-day Account